National Climatic Data Center

DATA DOCUMENTATION

FOR

DATASET 5683 (DSI-5683)
Upper Air (Rawinsonde) Global Coverage

February 9, 2004

National Climatic Data Center
151 Patton Ave.
Asheville, NC 28801-5001 USA

Table of Contents

1. <u>Abstract</u>: This dataset was produced from upper air data received from NOAA's National Weather Service, National Meteorological Center. The data in this file are sorted by stations (WMO) number. The first level is always the surface, standard and significant levels then follow in decreasing pressure (ascending height) order.

The major parameters that make up this file are observation time (year, month, day, hour), number of levels, pressure of level (mb to tenths), height of level (geopotential meters), temperature of level (degree Celsius to tenths), relative humidity of level (%), and wind direction (whole degrees) and wind speed (meters per second) of the level.

This data were assimilated from normal international communication channels and no detailed quality control measures were employed when converting to TD-5683. The observations, therefore, were subject to the usual errors inherent in such a collection.

This file has been replaced by TD-6202 and all requests for data should use this new file.

2. <u>Element Names and Definitions</u>:

Tape Format

Element: Number of levels
Position: 1-2

Element: Number of records
Position: 3

Element: WMO Station Number
Position: 4-8

Element: Year
Position: 9-10

Element: Month
Position: 11-12

Element: Day
Position: 13-14

Element: Hour
Position: 15-16

Element: Pressure (MB)
Position: 17-20

Element: Height (GPM)
Position: 21-25

Element: Temperature °C
Position: 26-29

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3

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Element: Dew Point °C
Position 30-33

Element: Wind Speed (knots)
Position: 34-36
Element: Wind Direction (tens °)
Position: 37-38

Element: Check bits
Position: 39-40
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Level 2

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Element: Pressure (MB)
Position: 41-44

Element: Height (GPM)
Position: 45-49

Element: Temperature °C
Position: 50-53

Element: Dew Point °C
Position 54-57
```

Same format continues for all available levels.

3. **Start Date:** 19630901

4. **Stop Date:** 19701231

5. **Coverage:**

    a. Southernmost Latitude: -90.0S
    b. Northernmost Latitude: 90.0N
    c. Westernmost Longitude: -180.0W
    d. Easternmost Longitude: 180.0E

6. **How to Order Data:**

    Ask NCDC's Climate Services about the cost of obtaining this data set.
    Phone: 828-271-4800
    FAX: 828-271-4876
    E-mail: **NCDC.Orders@noaa.gov**

7. **Archiving Data Center:**

    Archive Branch
    National Climatic Data Center
    151 Patton Avenue
    Asheville, NC 28801

8. **Technical Contact:**

    National Climatic Data Center

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151 Patton Avenue
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9.   **Known Uncorrected Problems**: None.

10.  **Quality Statement**:

11.  **Essential Companion Datasets**:

12.  **References**: